

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040616\
 Data File : BF086107.D
 Acq On : 6 Apr 2016 19:35
 Operator : UM/SJ
 Sample : H2254-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-17

Quant Time: Apr 07 01:12:31 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

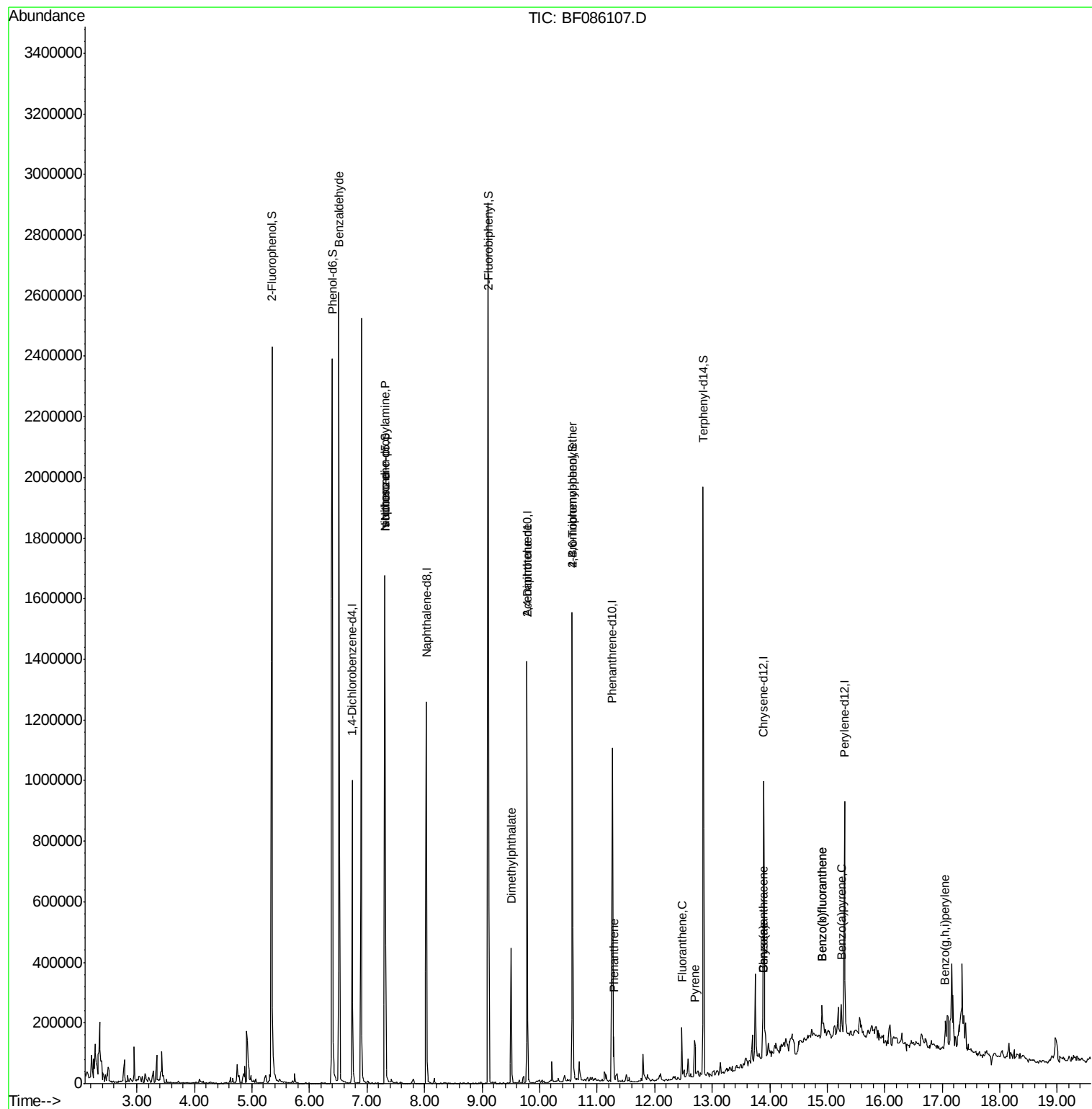
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	149500	20.00	ng	-0.03
21) Naphthalene-d8	8.03	136	597785	20.00	ng	-0.03
38) Acenaphthene-d10	9.78	164	252777	20.00	ng	-0.03
63) Phenanthrene-d10	11.26	188	413063	20.00	ng	-0.03
75) Chrysene-d12	13.89	240	306470	20.00	ng	-0.03
86) Perylene-d12	15.30	264	323982	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	905586	103.54	ng	-0.02
7) Phenol-d6	6.40	99	1165559	104.92	ng	-0.02
23) Nitrobenzene-d5	7.31	82	610002	60.18	ng	-0.03
41) 2,4,6-Tribromophenol	10.57	330	205038	86.42	ng	-0.03
44) 2-Fluorobiphenyl	9.10	172	917123	60.33	ng	-0.03
78) Terphenyl-d14	12.84	244	660444	50.66	ng	-0.03
Target Compounds						Qvalue
9) Benzaldehyde	6.51	77	17508	2.93	ng	84
19) n-Nitroso-di-n-propylamine	7.31	70	81004	11.76	ng	# 79
25) Isophorone	7.31	82	548351	27.40	ng	# 68
49) Dimethylphthalate	9.50	163	172520	9.21	ng	98
56) 2,4-Dinitrotoluene	9.78	165	32772	6.54	ng	# 37
66) 4-Bromophenyl-phenylether	10.57	248	13046	3.09	ng	# 1
70) Phenanthrene	11.29	178	54514	2.42	ng	98
74) Fluoranthene	12.48	202	81859	3.49	ng	90
77) Pyrene	12.71	202	67914	3.14	ng	99
80) Benzo(a)anthracene	13.88	228	44667	2.47	ng	96
82) Chrysene	13.88	228	44667	2.57	ng	95
87) Benzo(b)fluoranthene	14.91	252	75518	3.71	ng	98
88) Benzo(k)fluoranthene	14.91	252	75518	4.18	ng	# 96
89) Benzo(a)pyrene	15.24	252	38245	2.12	ng	95
91) Benzo(g,h,i)perylene	17.05	276	28614	2.04	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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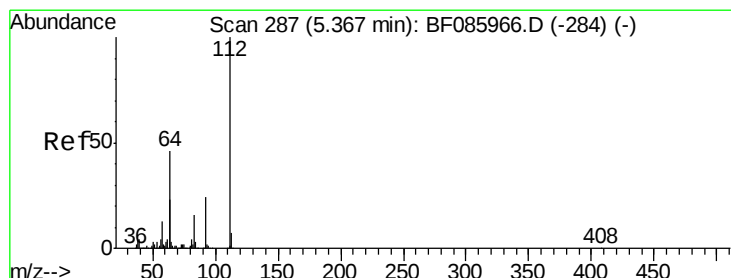
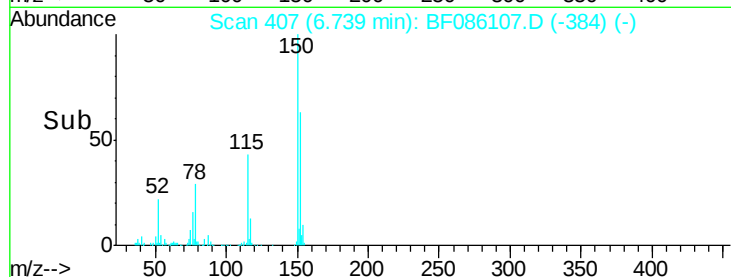
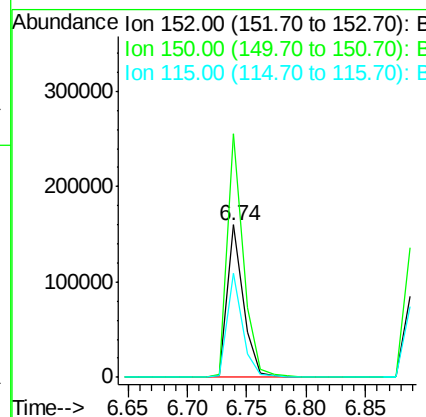
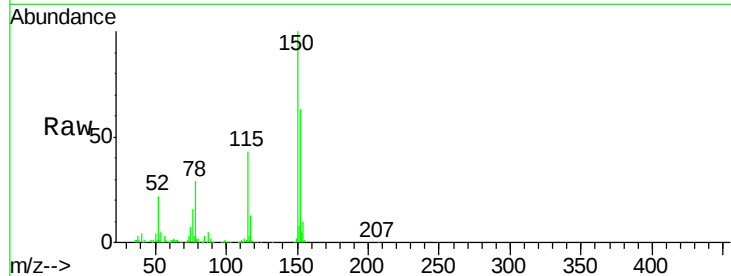


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.74 min Scan# 407
Delta R.T. -0.03 min
Lab File: BF086107.D
Acq: 6 Apr 2016 19:35

Instrument :
BNA_F
ClientSampleId :
SP-17

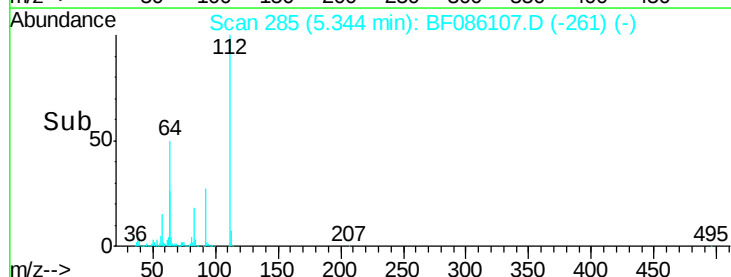
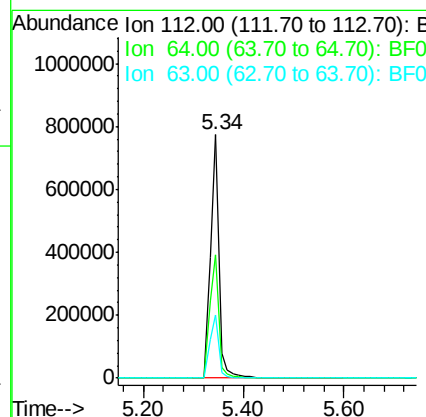
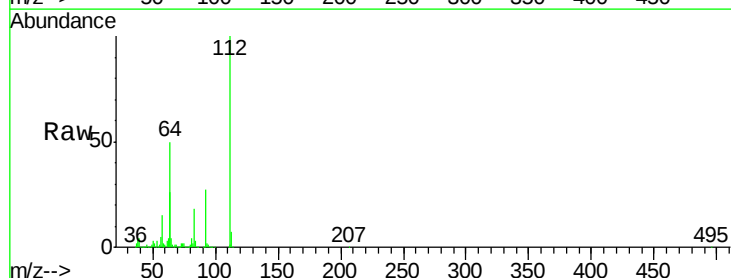
Tgt Ion:152 Resp: 149500
Ion Ratio Lower Upper
152 100
150 159.9 124.2 186.2
115 68.2 47.0 70.6

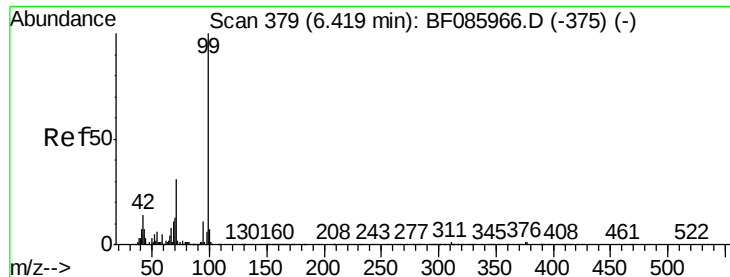


#5

2-Fluorophenol
Concen: 103.54 ng
RT: 5.34 min Scan# 285
Delta R.T. -0.02 min
Lab File: BF086107.D
Acq: 6 Apr 2016 19:35

Tgt Ion:112 Resp: 905586
Ion Ratio Lower Upper
112 100
64 50.5 39.9 59.9
63 25.7 20.2 30.2





#7

Phenol-d6

Concen: 104.92 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.02 min

Lab File: BF086107.D

Acq: 6 Apr 2016 19:35

Instrument :

BNA_F

ClientSampleId :

SP-17

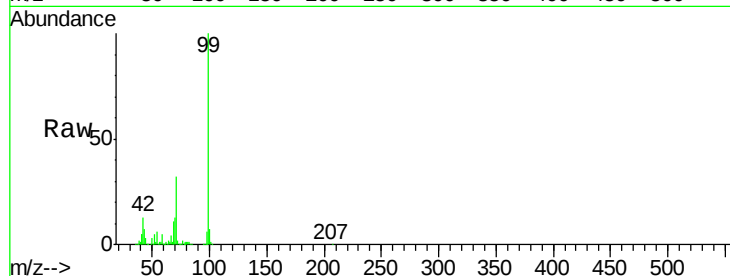
Tgt Ion: 99 Resp: 1165559

Ion Ratio Lower Upper

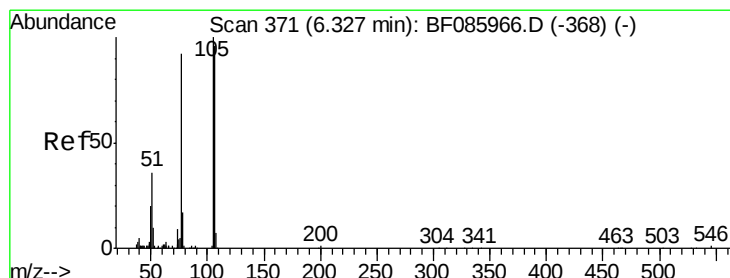
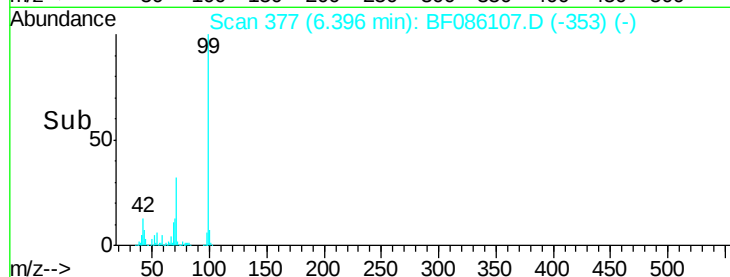
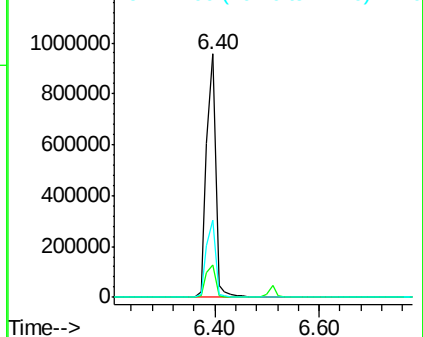
99 100

42 13.5 11.1 16.7

71 31.7 24.9 37.3



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 2.93 ng

RT: 6.51 min Scan# 387

Delta R.T. 0.18 min

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Acq: 6 Apr 2016 19:35

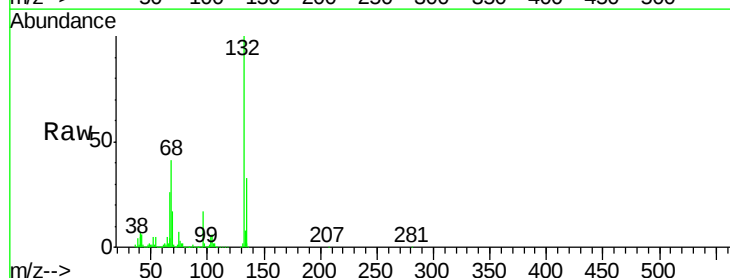
Tgt Ion: 77 Resp: 17508

Ion Ratio Lower Upper

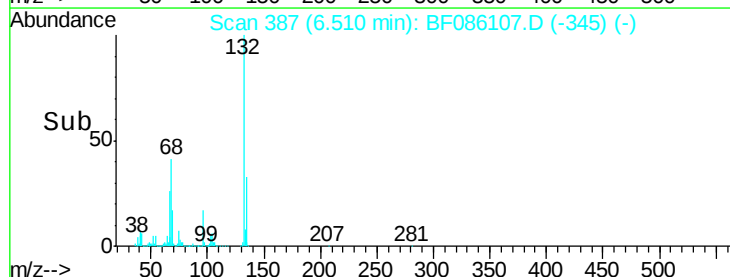
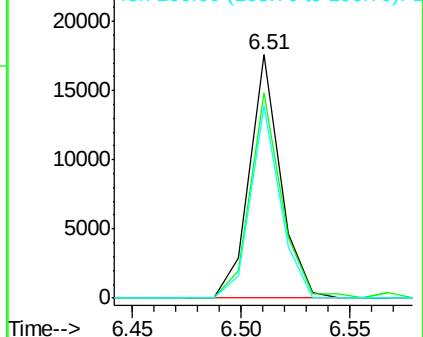
77 100

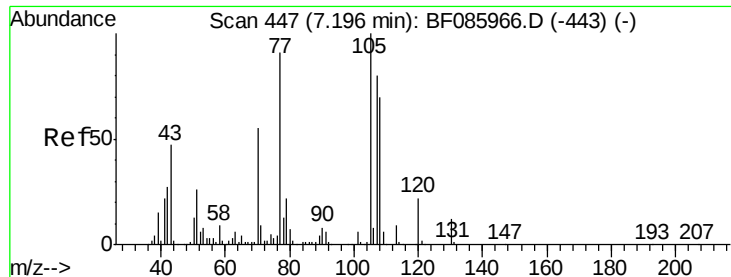
105 84.4 80.1 120.1

106 79.2 75.0 115.0



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E

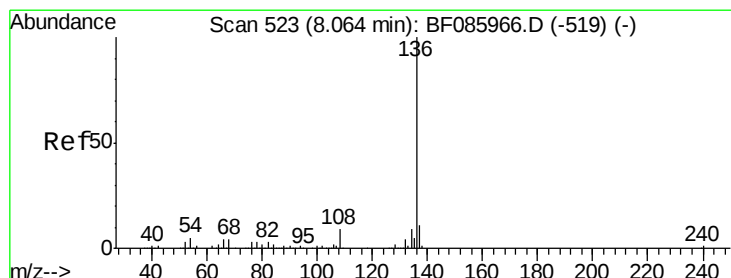
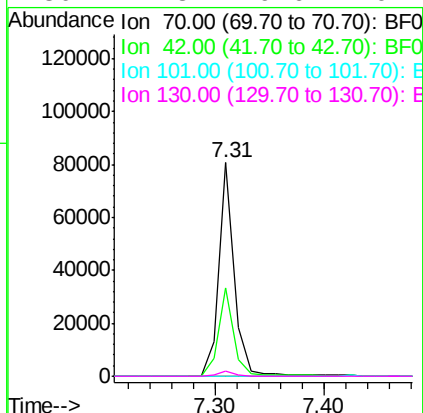
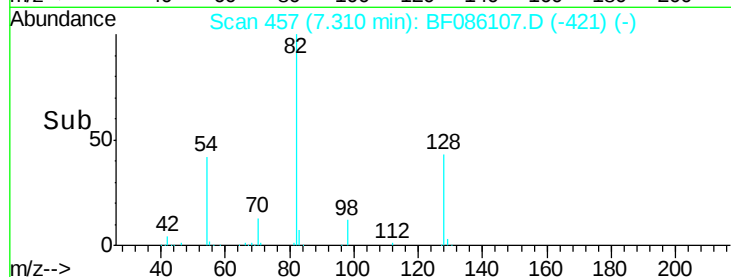
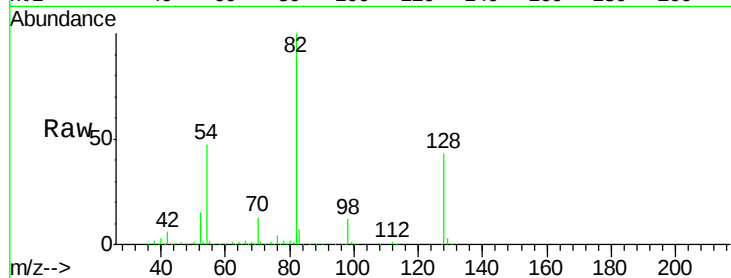




#19
n-Nitroso-di-n-propylamine
Concen: 11.76 ng
RT: 7.31 min Scan# 457
Delta R.T. 0.11 min
Lab File: BF086107.D
Acq: 6 Apr 2016 19:35

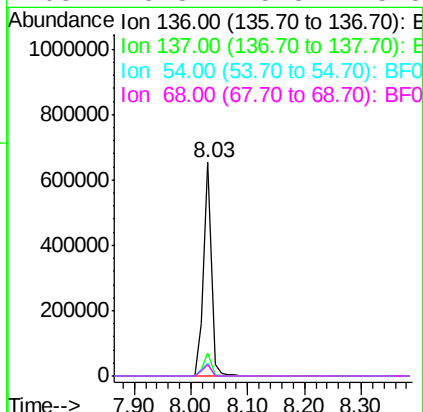
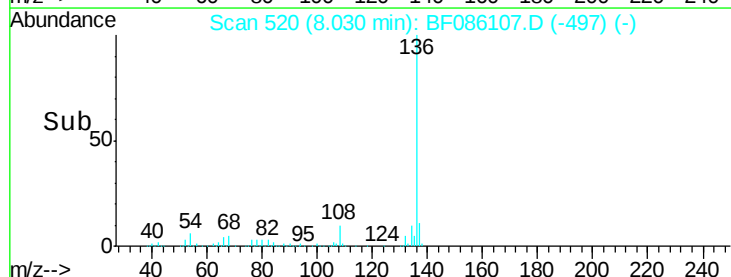
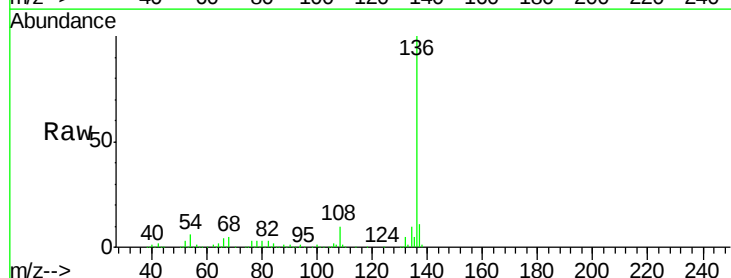
Instrument :
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SP-17

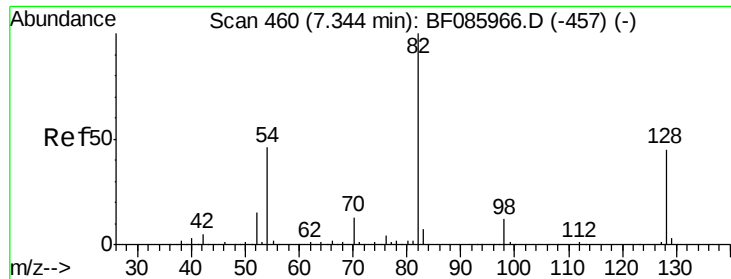
Tgt Ion: 70 Resp: 81004
Ion Ratio Lower Upper
70 100
42 41.3 37.1 55.7
101 0.0 8.6 12.8#
130 2.3 19.6 29.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.03 min
Lab File: BF086107.D
Acq: 6 Apr 2016 19:35

Tgt Ion: 136 Resp: 597785
Ion Ratio Lower Upper
136 100
137 10.9 9.1 13.7
54 5.8 7.4 11.0#
68 5.3 5.8 8.8#

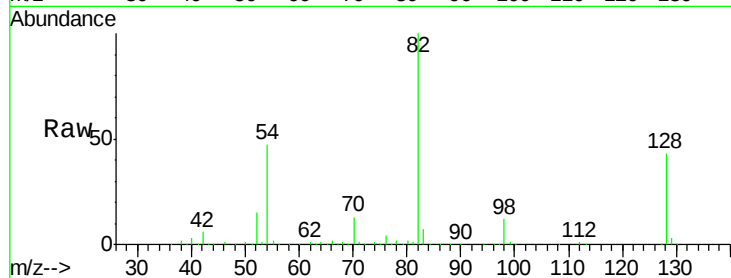




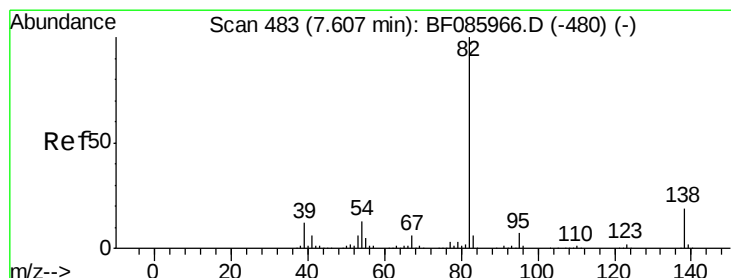
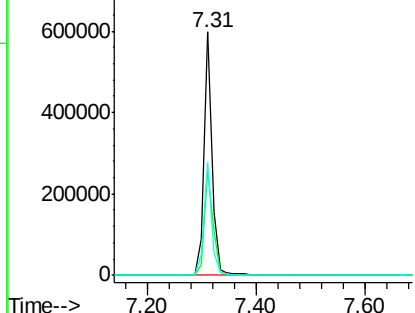
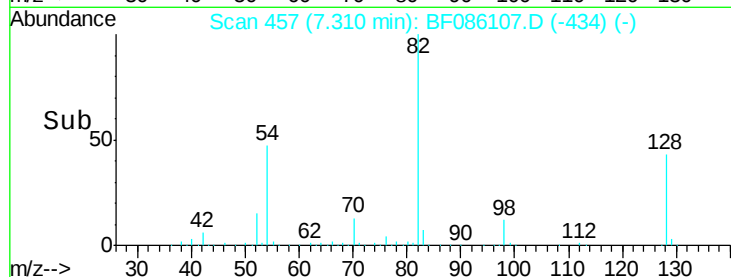
#23
 Nitrobenzene-d5
 Concen: 60.18 ng
 RT: 7.31 min Scan# 457
 Delta R.T. -0.03 min
 Lab File: BF086107.D
 Acq: 6 Apr 2016 19:35

Instrument :
 BNA_F
 ClientSampled :
 SP-17

Tgt Ion: 82 Resp: 610002
 Ion Ratio Lower Upper
 82 100
 128 43.5 41.8 62.8
 54 46.5 33.4 50.0

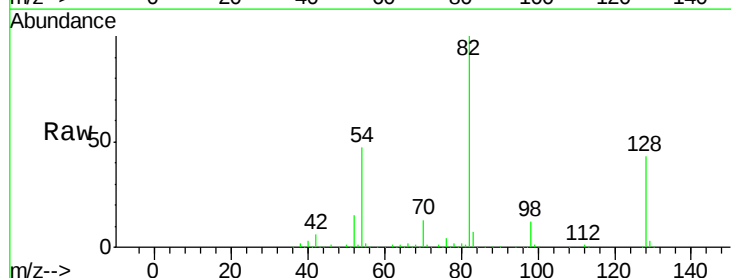


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

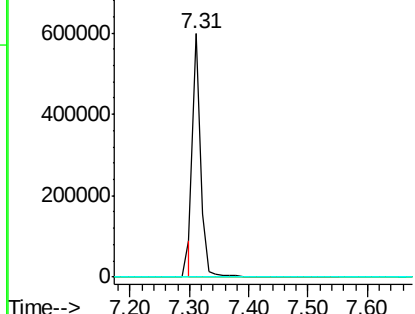
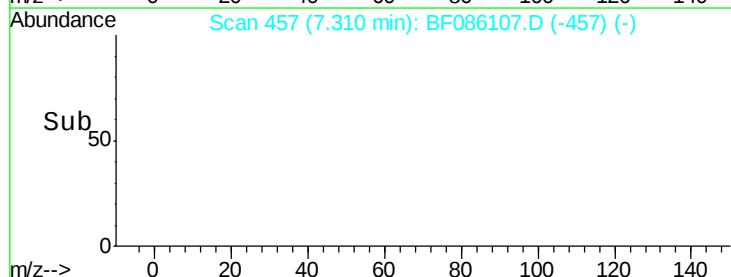


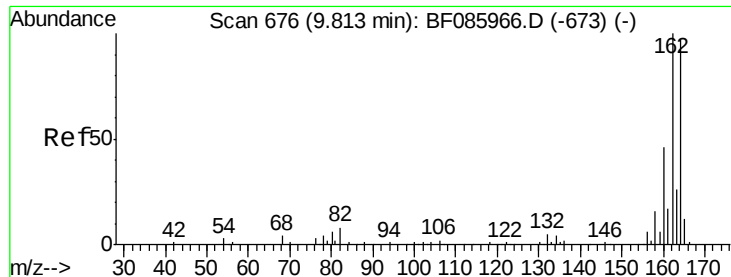
#25
 Isophorone
 Concen: 27.40 ng
 RT: 7.31 min Scan# 457
 Delta R.T. -0.30 min
 Lab File: BF086107.D
 Acq: 6 Apr 2016 19:35

Tgt Ion: 82 Resp: 548351
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.2#
 138 0.0 12.9 19.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): BF0

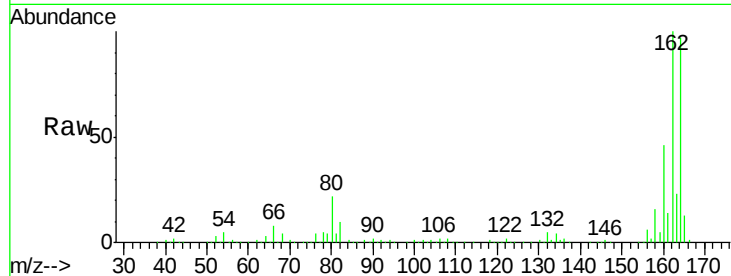




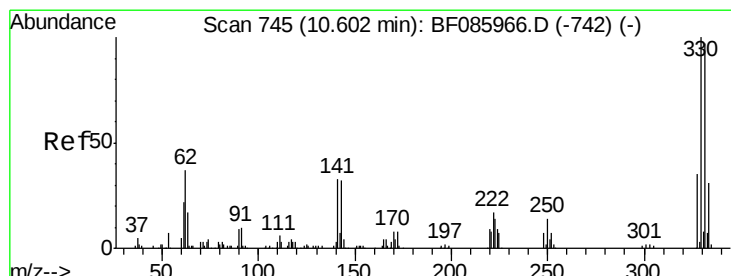
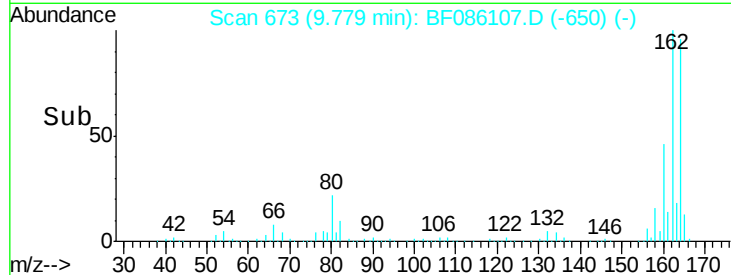
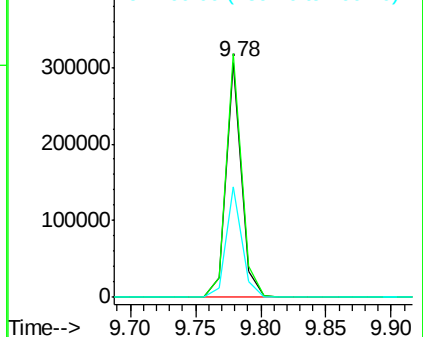
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.78 min Scan# 673
 Delta R.T. -0.03 min
 Lab File: BF086107.D
 Acq: 6 Apr 2016 19:35

Instrument :
 BNA_F
 ClientSampleId :
 SP-17

Tgt Ion:164 Resp: 252777
 Ion Ratio Lower Upper
 164 100
 162 103.5 82.1 123.1
 160 47.1 37.4 56.2

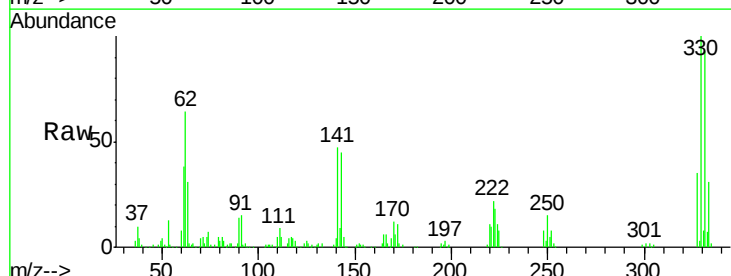


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

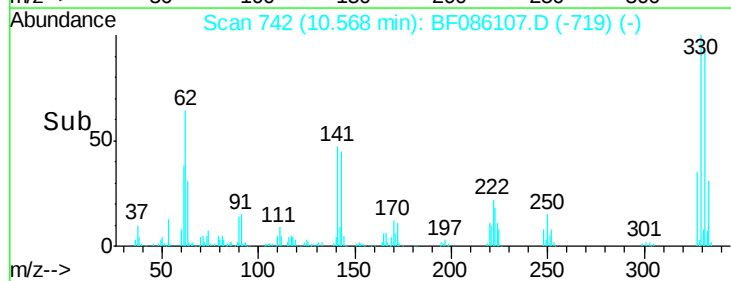
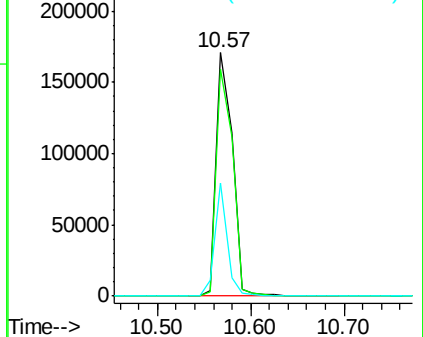


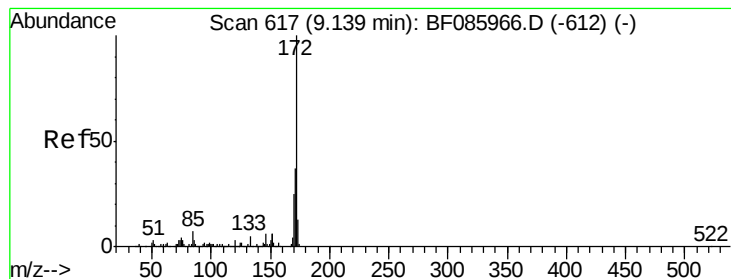
#41
 2,4,6-Tribromophenol
 Concen: 86.42 ng
 RT: 10.57 min Scan# 742
 Delta R.T. -0.03 min
 Lab File: BF086107.D
 Acq: 6 Apr 2016 19:35

Tgt Ion:330 Resp: 205038
 Ion Ratio Lower Upper
 330 100
 332 95.2 78.2 117.2
 141 36.0 31.5 47.3



Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 60.33 ng

RT: 9.10 min Scan# 614

Delta R.T. -0.03 min

Lab File: BF086107.D

Acq: 6 Apr 2016 19:35

Instrument :

BNA_F

ClientSampleId :

SP-17

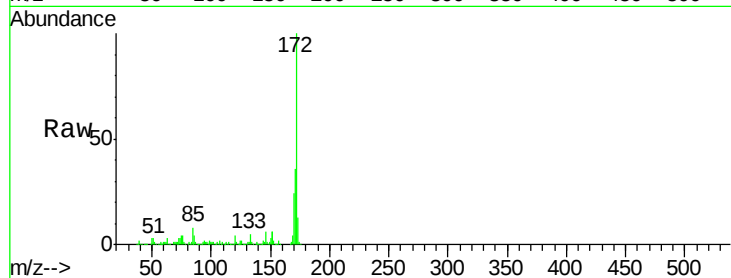
Tgt Ion:172 Resp: 917123

Ion Ratio Lower Upper

172 100

171 35.9 29.4 44.2

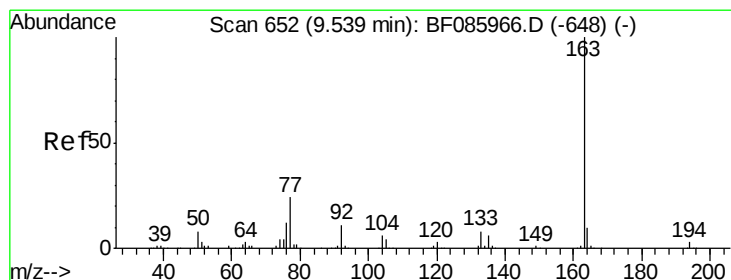
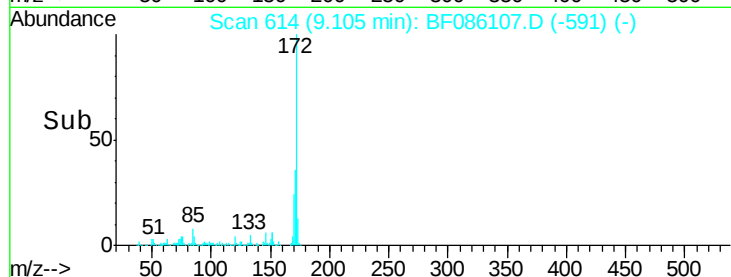
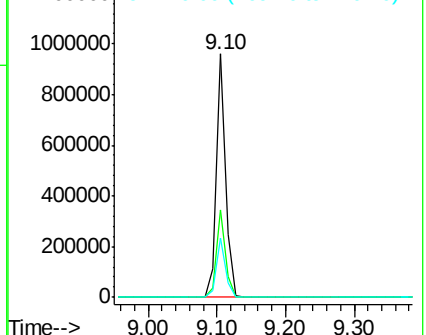
170 24.3 19.8 29.6



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49

Dimethylphthalate

Concen: 9.21 ng

RT: 9.50 min Scan# 649

Delta R.T. -0.03 min

Lab File: BF086107.D

Acq: 6 Apr 2016 19:35

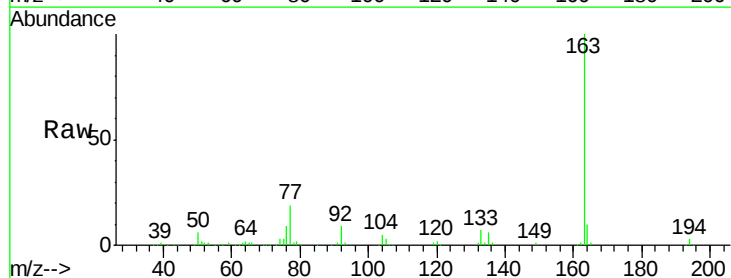
Tgt Ion:163 Resp: 172520

Ion Ratio Lower Upper

163 100

194 3.4 2.9 4.3

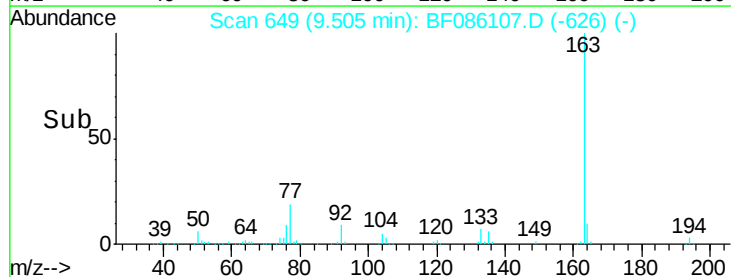
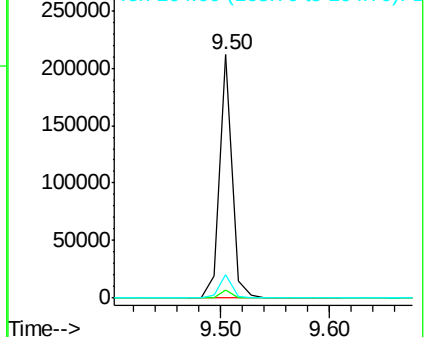
164 9.5 8.3 12.5

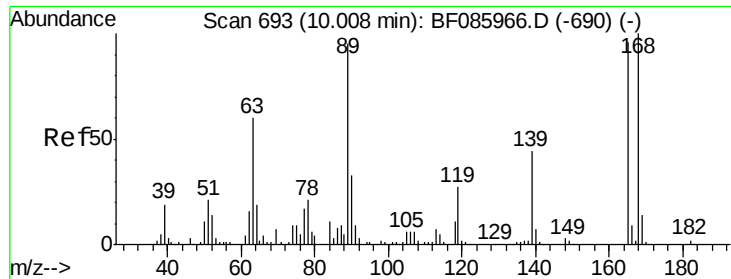


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

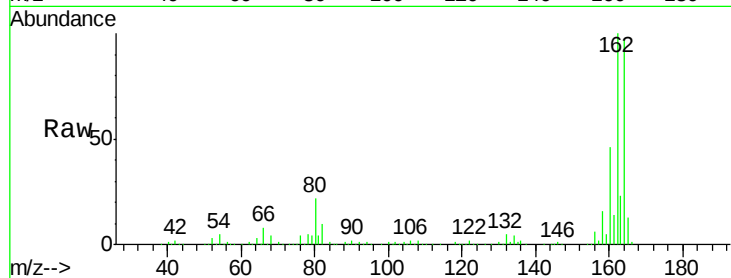




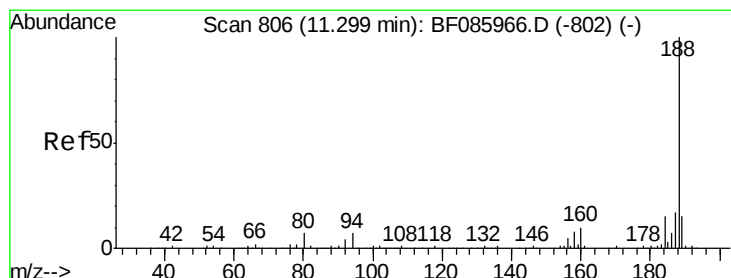
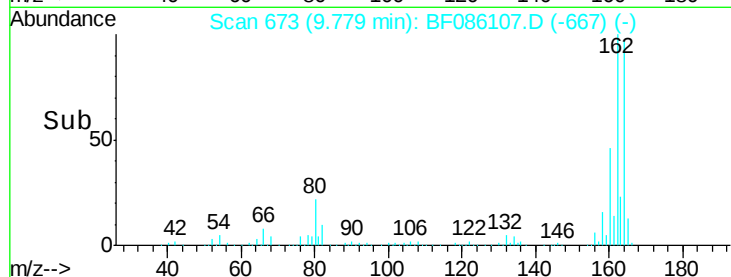
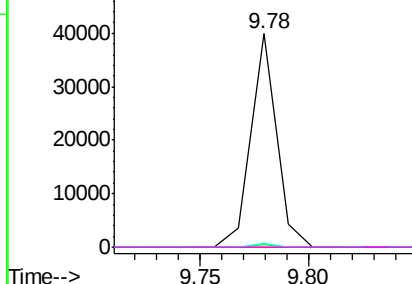
#56
 2,4-Dinitrotoluene
 Concen: 6.54 ng
 RT: 9.78 min Scan# 673
 Delta R.T. -0.23 min
 Lab File: BF086107.D
 Acq: 6 Apr 2016 19:35

Instrument :
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 SP-17

Tgt Ion:165 Resp: 32772
 Ion Ratio Lower Upper
 165 100
 63 1.3 24.9 37.3#
 89 2.0 41.0 61.6#
 182 0.0 2.1 3.1#

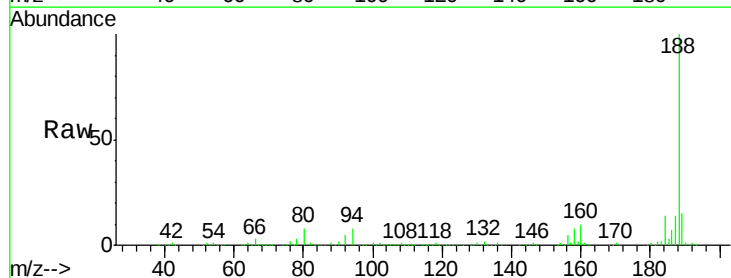


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

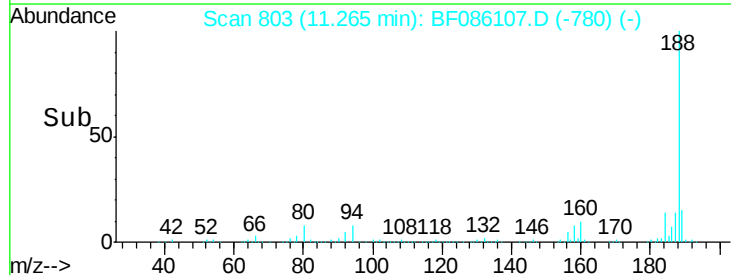
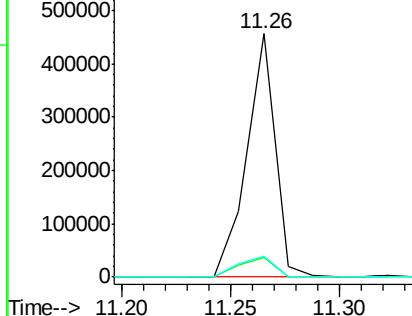


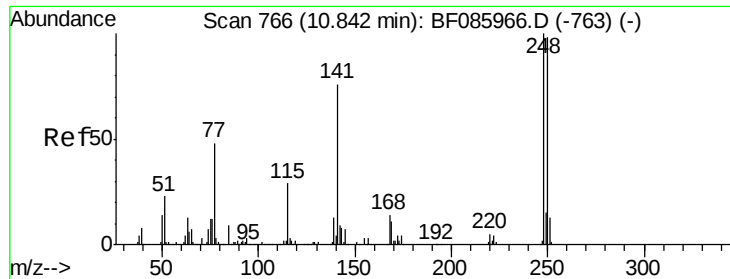
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.26 min Scan# 803
 Delta R.T. -0.03 min
 Lab File: BF086107.D
 Acq: 6 Apr 2016 19:35

Tgt Ion:188 Resp: 413063
 Ion Ratio Lower Upper
 188 100
 94 8.2 5.4 8.0#
 80 8.3 5.5 8.3#



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 3.09 ng

RT: 10.57 min Scan# 742

Delta R.T. -0.27 min

Lab File: BF086107.D

Acq: 6 Apr 2016 19:35

Instrument :

BNA_F

ClientSampleId :

SP-17

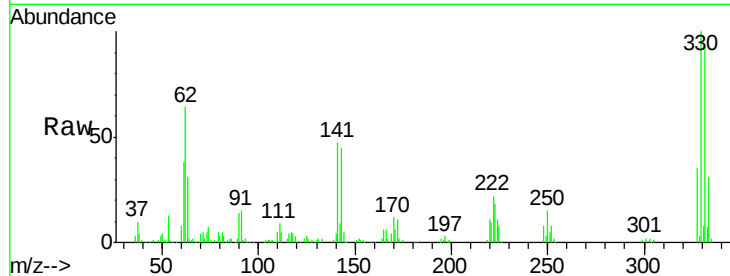
Tgt Ion:248 Resp: 13046

Ion Ratio Lower Upper

248 100

250 191.4 77.4 116.0#

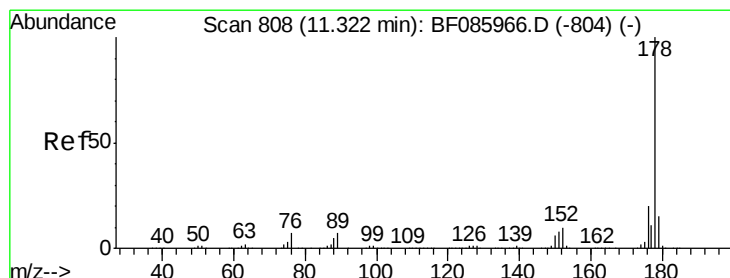
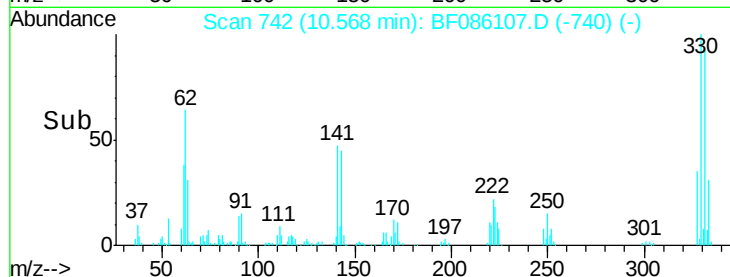
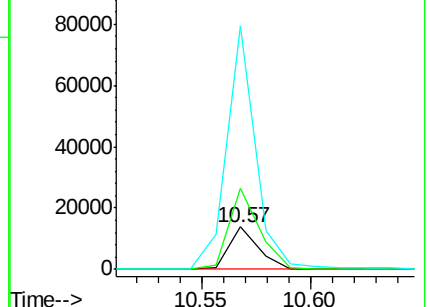
141 577.1 63.6 95.4#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#70

Phenanthrene

Concen: 2.42 ng

RT: 11.29 min Scan# 805

Delta R.T. -0.03 min

Lab File: BF086107.D

Acq: 6 Apr 2016 19:35

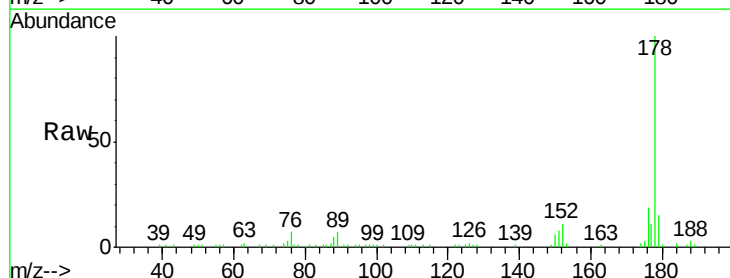
Tgt Ion:178 Resp: 54514

Ion Ratio Lower Upper

178 100

176 19.3 16.3 24.5

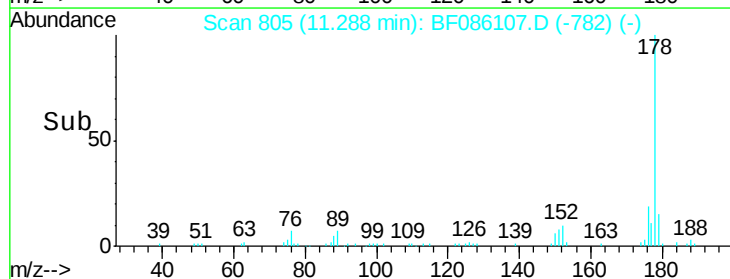
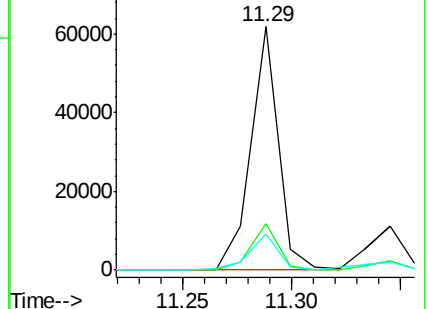
179 14.7 12.6 18.8

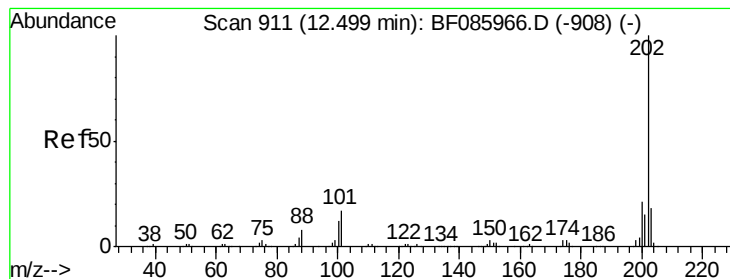


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 3.49 ng

RT: 12.48 min Scan# 909

Delta R.T. -0.02 min

Lab File: BF086107.D

Acq: 6 Apr 2016 19:35

Instrument :

BNA_F

ClientSampled :

SP-17

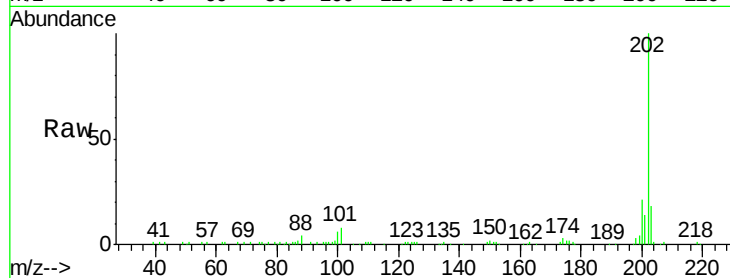
Tgt Ion:202 Resp: 81859

Ion Ratio Lower Upper

202 100

101 8.1 0.0 36.6

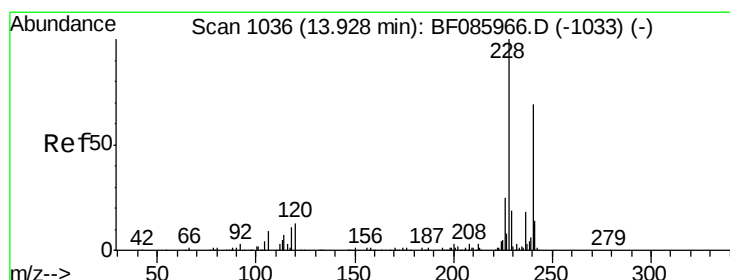
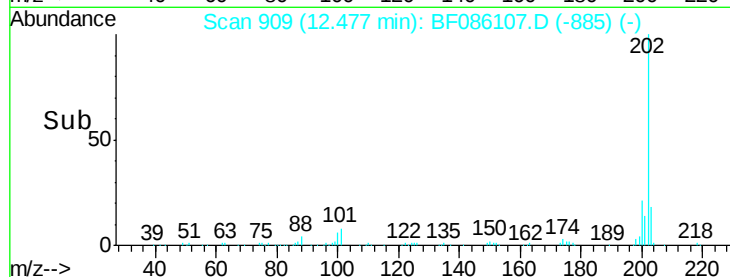
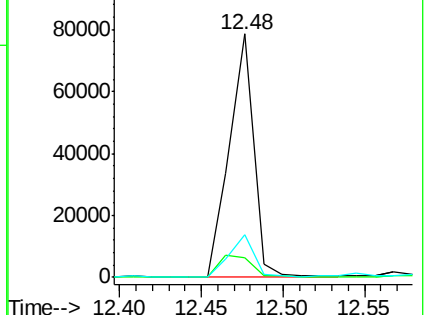
203 17.7 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.89 min Scan# 1033

Delta R.T. -0.03 min

Lab File: BF086107.D

Acq: 6 Apr 2016 19:35

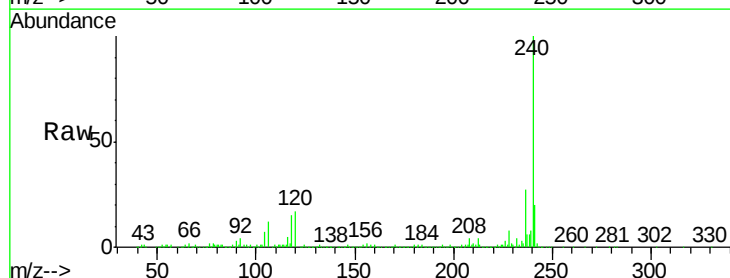
Tgt Ion:240 Resp: 306470

Ion Ratio Lower Upper

240 100

120 17.3 13.8 20.8

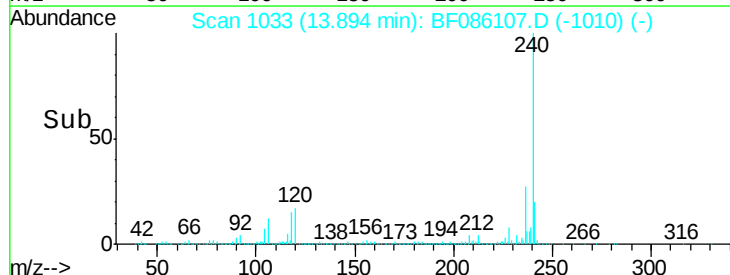
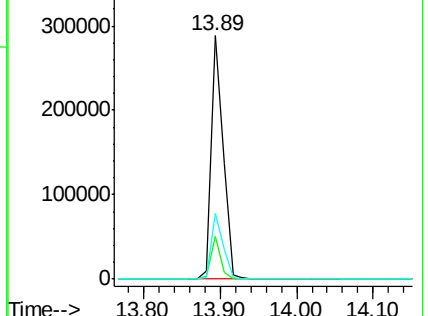
236 26.8 20.6 30.8

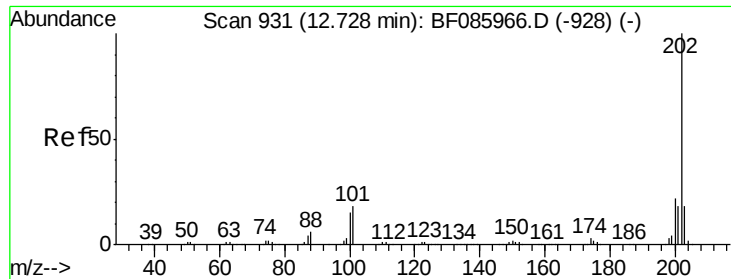


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

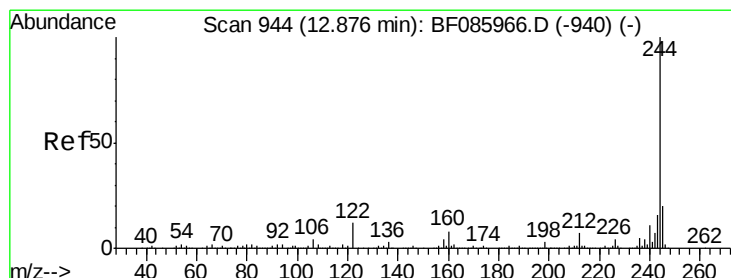
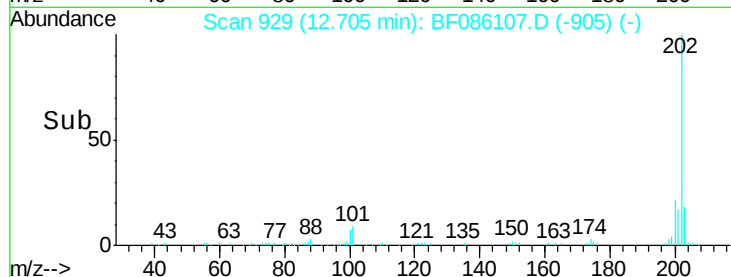
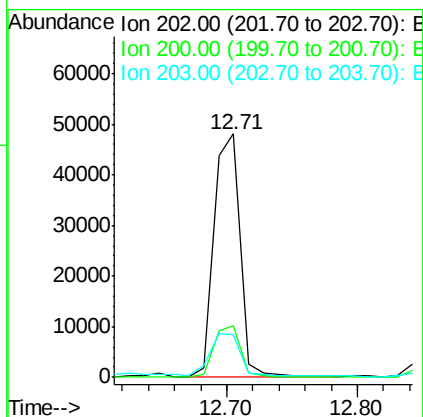
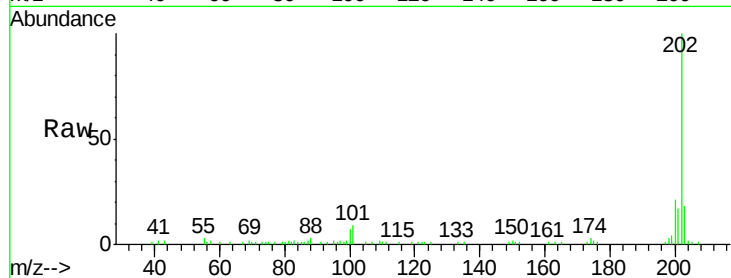




#77
 Pyrene
 Concen: 3.14 ng
 RT: 12.71 min Scan# 929
 Delta R.T. -0.02 min
 Lab File: BF086107.D
 Acq: 6 Apr 2016 19:35

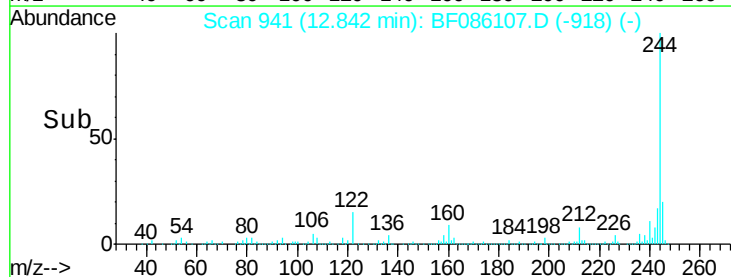
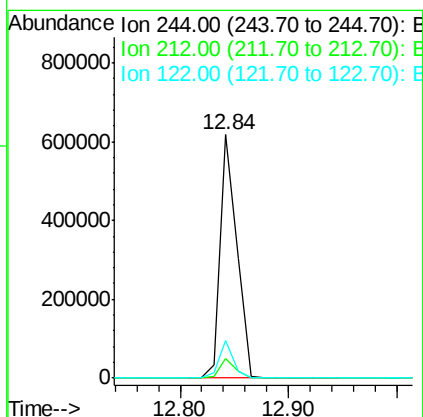
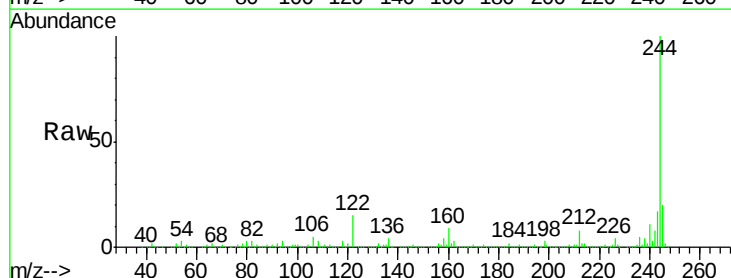
Instrument :
 BNA_F
 ClientSampleId :
 SP-17

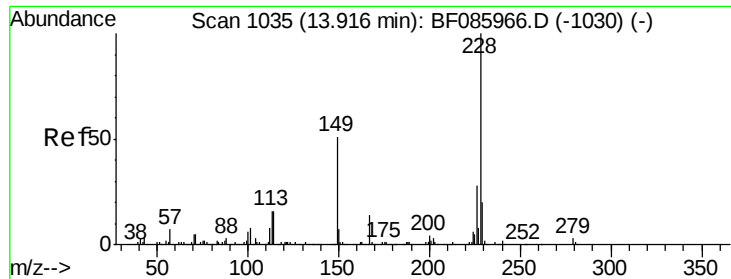
Tgt Ion: 202 Resp: 67914
 Ion Ratio Lower Upper
 202 100
 200 21.3 17.6 26.4
 203 17.5 14.0 21.0



#78
 Terphenyl-d14
 Concen: 50.66 ng
 RT: 12.84 min Scan# 941
 Delta R.T. -0.03 min
 Lab File: BF086107.D
 Acq: 6 Apr 2016 19:35

Tgt Ion: 244 Resp: 660444
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.1 9.1
 122 15.4 10.2 15.4

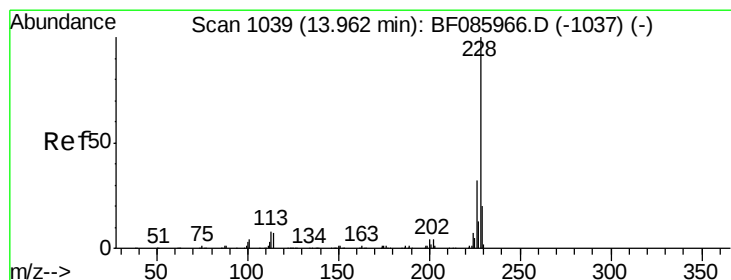
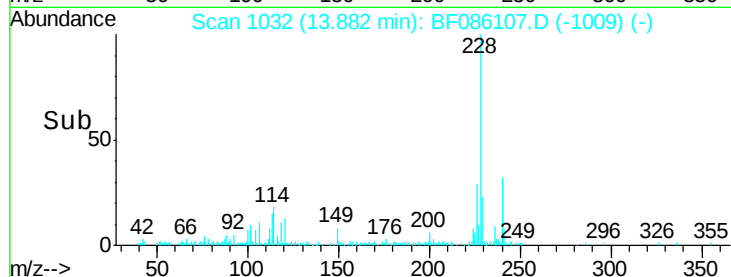
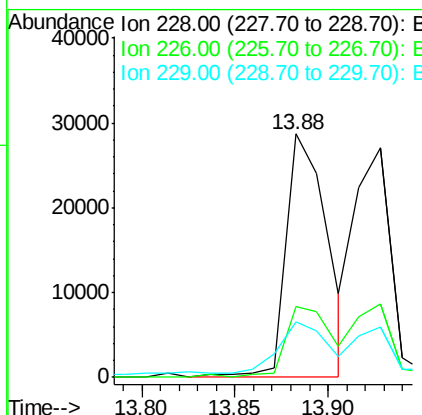
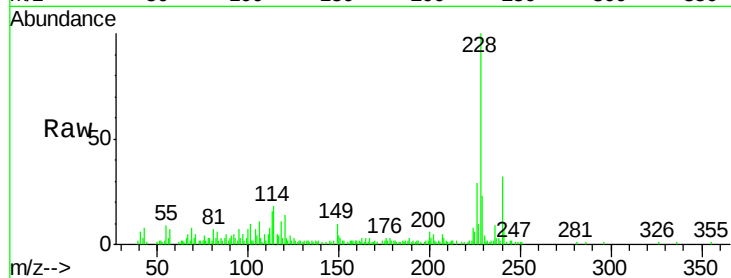




#80
Benzo(a)anthracene
Concen: 2.47 ng
RT: 13.88 min Scan# 1032
Delta R.T. -0.03 min
Lab File: BF086107.D
Acq: 6 Apr 2016 19:35

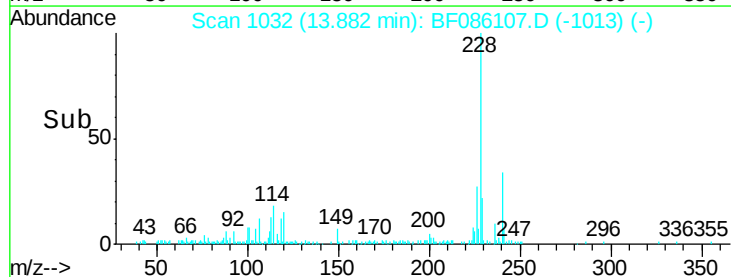
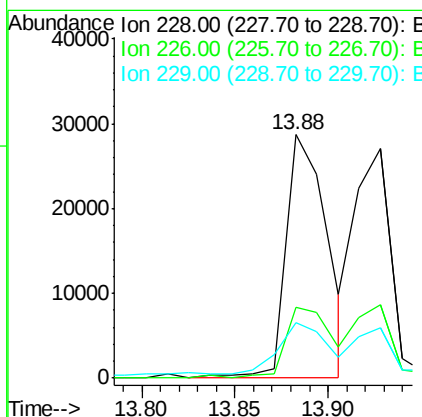
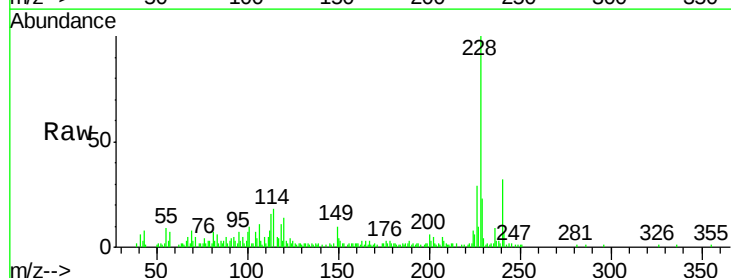
Instrument :
BNA_F
ClientSampleId :
SP-17

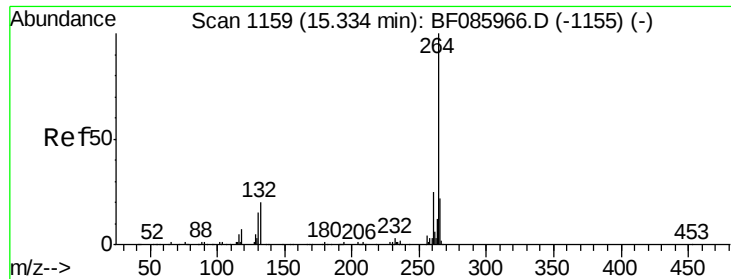
Tgt Ion:228 Resp: 44667
Ion Ratio Lower Upper
228 100
226 29.2 22.1 33.1
229 22.7 16.2 24.4



#82
Chrysene
Concen: 2.57 ng
RT: 13.88 min Scan# 1032
Delta R.T. -0.08 min
Lab File: BF086107.D
Acq: 6 Apr 2016 19:35

Tgt Ion:228 Resp: 44667
Ion Ratio Lower Upper
228 100
226 29.2 25.0 37.6
229 22.7 15.7 23.5



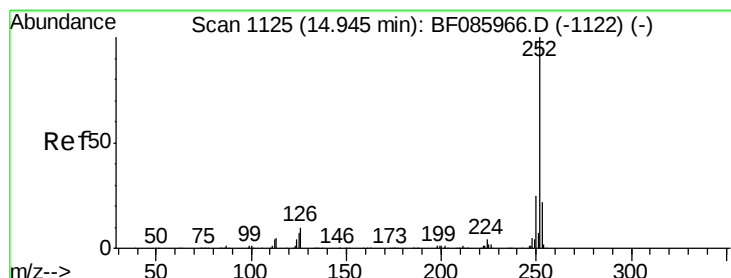
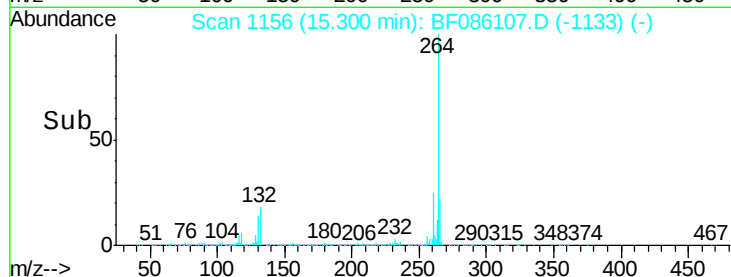
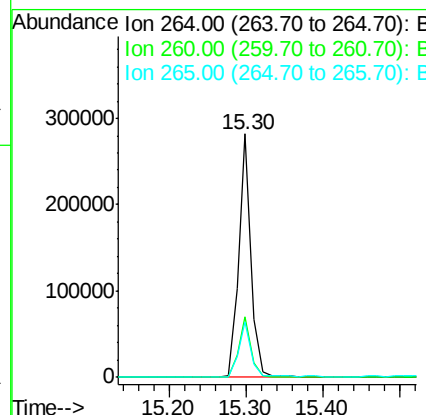
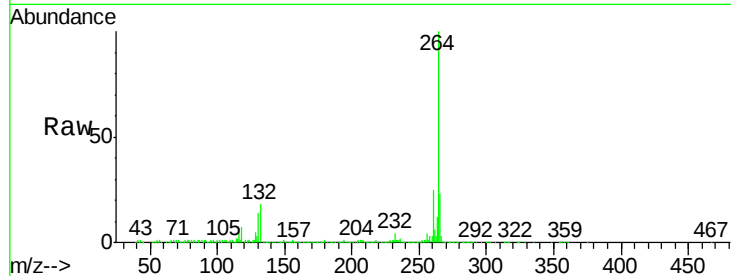


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 1156
Delta R.T. -0.03 min
Lab File: BF086107.D
Acq: 6 Apr 2016 19:35

Instrument :
BNA_F
ClientSampleId :
SP-17

Tgt Ion: 264 Resp: 323982

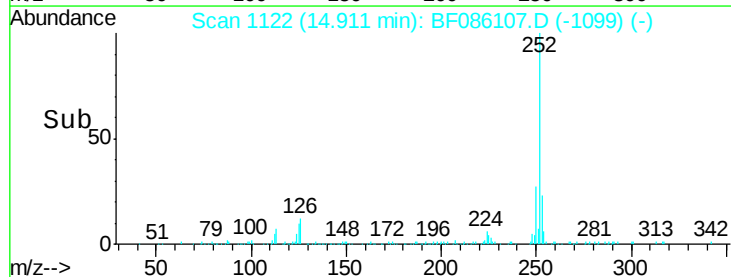
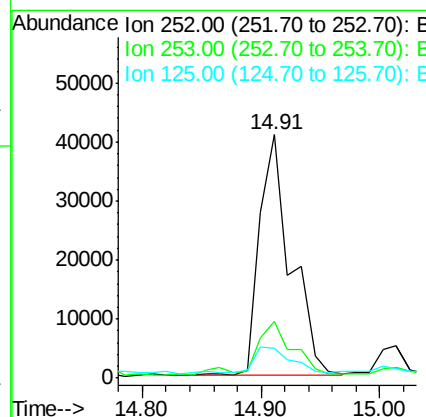
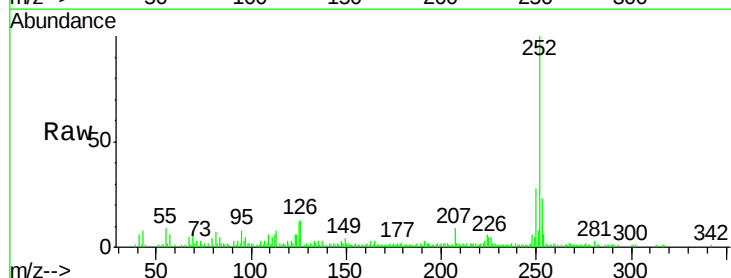
Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.4	29.2
265	22.5	17.2	25.8

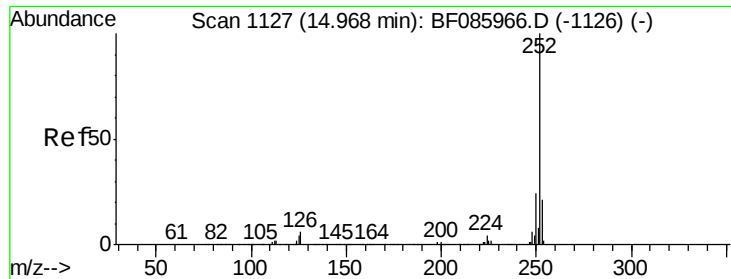


#87
Benzo(b)fluoranthene
Concen: 3.71 ng
RT: 14.91 min Scan# 1122
Delta R.T. -0.03 min
Lab File: BF086107.D
Acq: 6 Apr 2016 19:35

Tgt Ion: 252 Resp: 75518

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.6	26.4
125	12.4	10.3	15.5

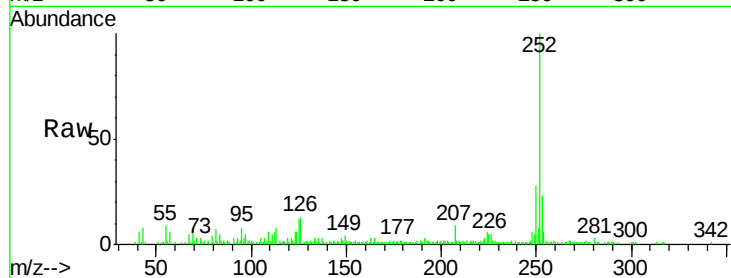




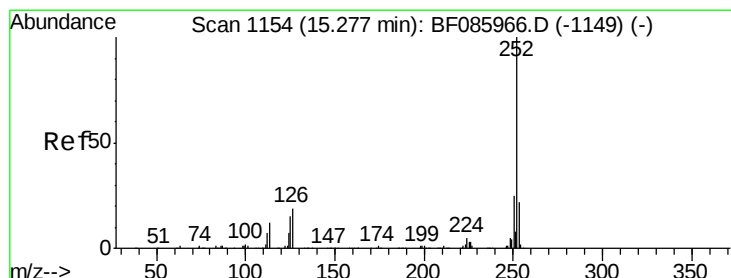
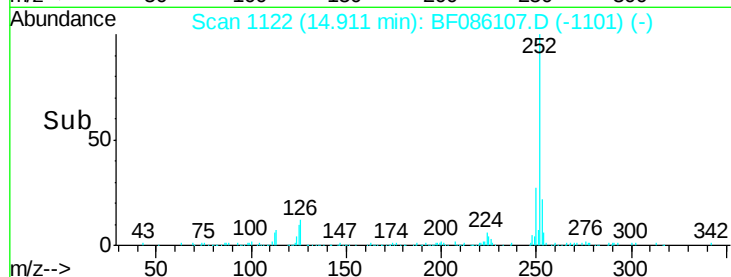
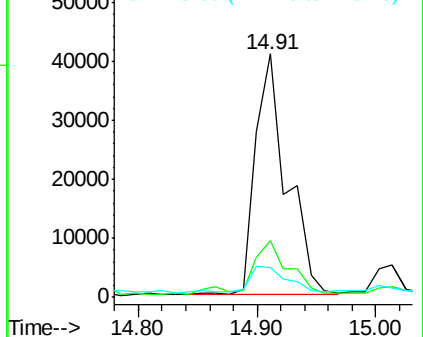
#88
Benzo(k)fluoranthene
Concen: 4.18 ng
RT: 14.91 min Scan# 1122
Delta R.T. -0.06 min
Lab File: BF086107.D
Acq: 6 Apr 2016 19:35

Instrument :
BNA_F
ClientSampled :
SP-17

Tgt Ion:252 Resp: 75518
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.6
125 12.4 7.7 11.5#

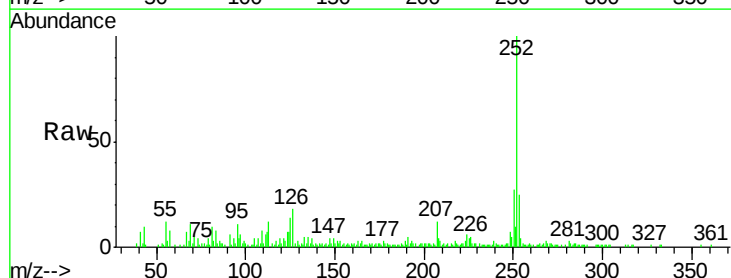


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

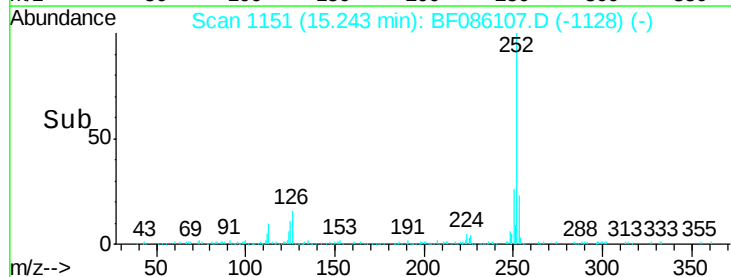
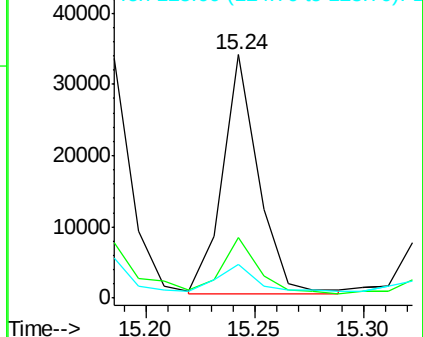


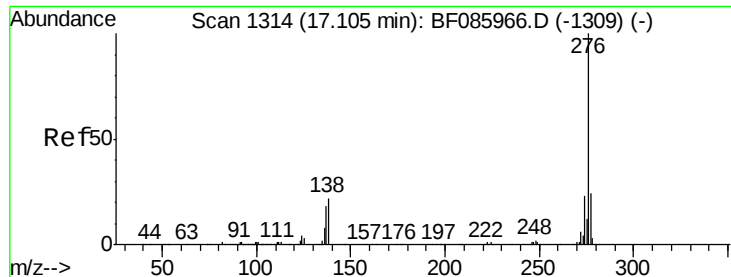
#89
Benzo(a)pyrene
Concen: 2.12 ng
RT: 15.24 min Scan# 1151
Delta R.T. -0.03 min
Lab File: BF086107.D
Acq: 6 Apr 2016 19:35

Tgt Ion:252 Resp: 38245
Ion Ratio Lower Upper
252 100
253 25.0 17.4 26.0
125 13.9 10.3 15.5



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

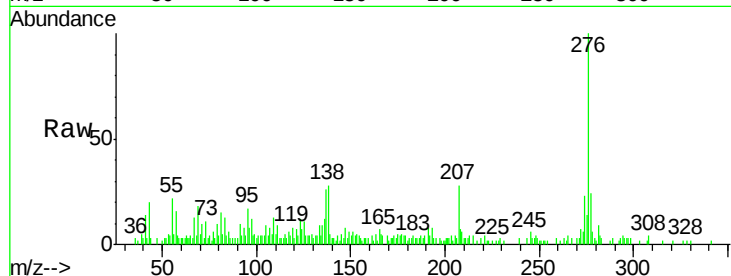




#91
 Benzo(g,h,i)perylene
 Concen: 2.04 ng
 RT: 17.05 min Scan# 1309
 Delta R.T. -0.06 min
 Lab File: BF086107.D
 Acq: 6 Apr 2016 19:35

Instrument :
 BNA_F
 ClientSampleId :
 SP-17

Tgt Ion:	276	Resp:	28614
Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.8	28.2
138	28.0	22.6	34.0



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

